

# FIB-SEM dataset

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An abbreviated version of this protocol was published in eLIFE in Jan 2019

Comparisons between the ON- and OFF-edge motion pathways in the *Drosophila* brain

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## Detailed protocol

Dear Nikolas,

The dataset covers the optic lobe only. More precisely, it covers the entire thickness of the medulla, lobula, and lobula plate, but the dorsal and ventral parts of these neuropils are not included. We are hosting the original grayscale data at <http://emdata.janelia.org/optic-lobe/>, as we stated in the paper. Unfortunately, it is currently unavailable due to a system upgrade, but it will be reinstated by early to middle December.

The hemibrain dataset includes a part of the lobula and tiny portions of the medulla and lobula plate. The overlap between the hemibrain and the OL dataset is too small, so we didn't perform registration. The FAFB dataset (Zheng et al) covers the optic lobe as well, and I compared some of my neurons with them, but I have not done transformation so far.

Best,  
Kazunori

**How to cite:** (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Shinomiya, K. (2020). FIB-SEM dataset. Bio-protocol Preprint. [bio-protocol.org/prep657](https://bio-protocol.org/prep657).
2. Shinomiya, K., Huang, G., Lu, Z., Parag, T., Xu, C. S., Aniceto, R., Ansari, N., Cheatham, N., Lauchie, S., Neace, E., Ogundeyi, O., Ordish, C., Peel, D., Shinomiya, A., Smith, C., Takemura, S., Talebi, I., Rivlin, P. K., Nern, A., Scheffer, L. K., Plaza, S. M. and Meinertzhagen, I. A. (2019). Comparisons between the ON- and OFF-edge motion pathways in the *Drosophila* brain. eLIFE. DOI: [10.7554/eLife.40025](https://doi.org/10.7554/eLife.40025)

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